

US EPA ARCHIVE DOCUMENT

Date Out EFB: AUG 12 1981

FILE COPY

PROPRIETARY

To: Product Manager 23 Mountfort
TS-767

From: Dr. Willa Garner *SUC for*
Chief, Review Section No. 1
Environmental Fate Branch

Attached please find the environmental fate review of:

Reg./File No.: 707-145, 707-150

Chemical: Sodium salt of acifluorfen

Type Product: Herbicide

Product Name: Blazer

Company Name: Rohn and Haas

Submission Purpose: New use on rice

ZBB Code: 3(c)(7)

ACTION CODE: 335

Date in: 6/4/81

EFB # 861, 862

Date Completed: AUG 12 1981

TAIS (level II)

Days

Deferrals To:

63

4

 Ecological Effects Branch

 Residue Chemistry Branch

 Toxicology Branch

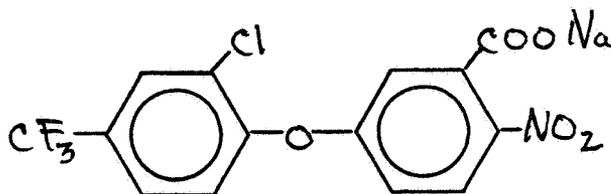
1

1.0 Introduction

Chemical Name and Type Pesticide: Acifluorfen (sodium 5-[2-chloro-4-(trifluoromethyl)-phenoxy]-2-nitrobenzoate, 21.4% ai, Herbicide.

Trade Name: BLAZER 2S, BLAZER 2L

Chemical Structure:



The registrant is applying for an ammended pesticide product registration to add rice to the labels of BLAZER 2S and BLAZER 2L. These herbicides are now registered for use on soybeans.

2.0 Directions for Use

See the attached two pages for BLAZER 2S and two pages for BLAZER 2L.

3.0 Discussion of Data

Tables 1-3 studies performed to date.

3.1 AEROBIC AQUATIC METABOLISM

- 3.1.1 Aerobic Aquatic Metabolism of ¹⁴C-labeled RH-6201 (BLAZER), T.D. Rogerson, Spring House Res. Lab., Technical Report No. 36H-81-6, Section J, Tab 2 Acc # 070115.

Experimental Procedure

Two different radiolabeled versions of RH-6201 (¹⁴C-labeled in the trifluoromethyl group, CF₃; and uiformly in the nitrophenyl ring, NPR) were added to 1000 ml quantities of water obtained from a typical rice paddy in Mississippi at concentrations of 1.0 ppm and 0.1 ppm. Both the concentration and identity of radiolabeled material were monitored using radioassay and/or TLC/radioautography. Sampling was on days 7, 14, 21, and 30 days.

Acifluorfen

Page _____ is not included in this copy.

Pages 3 through 6 are not included in this copy.

The material not included contains the following type of information:

- Identity of product inert ingredients.
- Identity of product inert impurities.
- Description of the product manufacturing process.
- Description of product quality control procedures.
- Identity of the source of product ingredients.
- Sales or other commercial/financial information.
- A draft product label.
- The product confidential statement of formula.
- Information about a pending registration action
- FIFRA registration data.
- The document is a duplicate of page(s) _____
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The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.

Acifluorfen

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4.0 Executive Summary and Conclusions

BLAZER is stable in an aerobic aquatic environment and would dissipate fairly rapidly in water.

5.0 Recommendations

EFB concurs with the proposed new use on rice under the amended registration application, however, the following sentence must be added to the label:

"Do not use treated water to irrigate other crops"

Herbert L. Manning

Herbert L. Manning, Ph.D.
Review Section #1
EFB/HED